

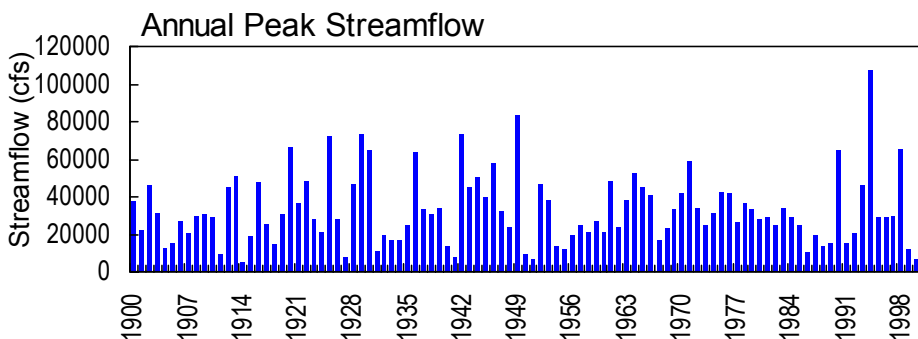
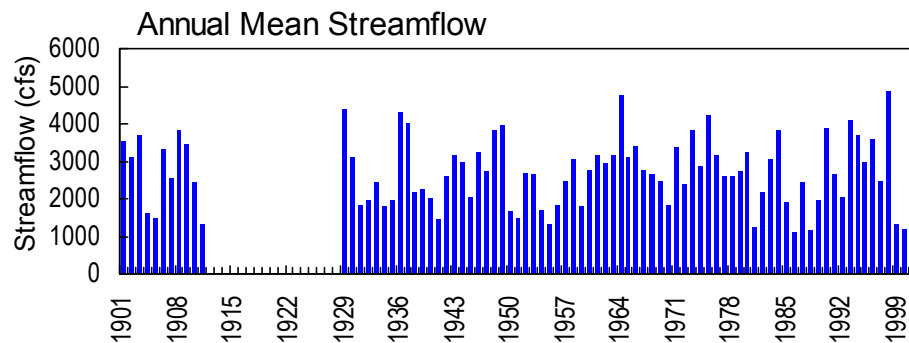
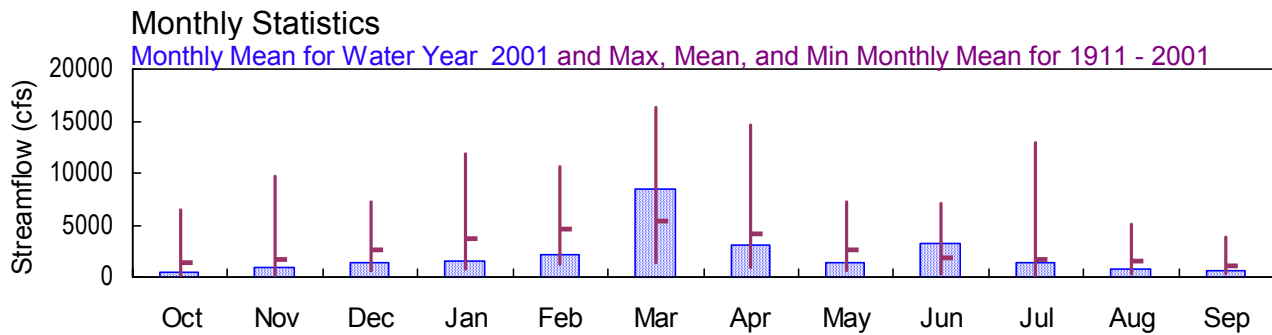
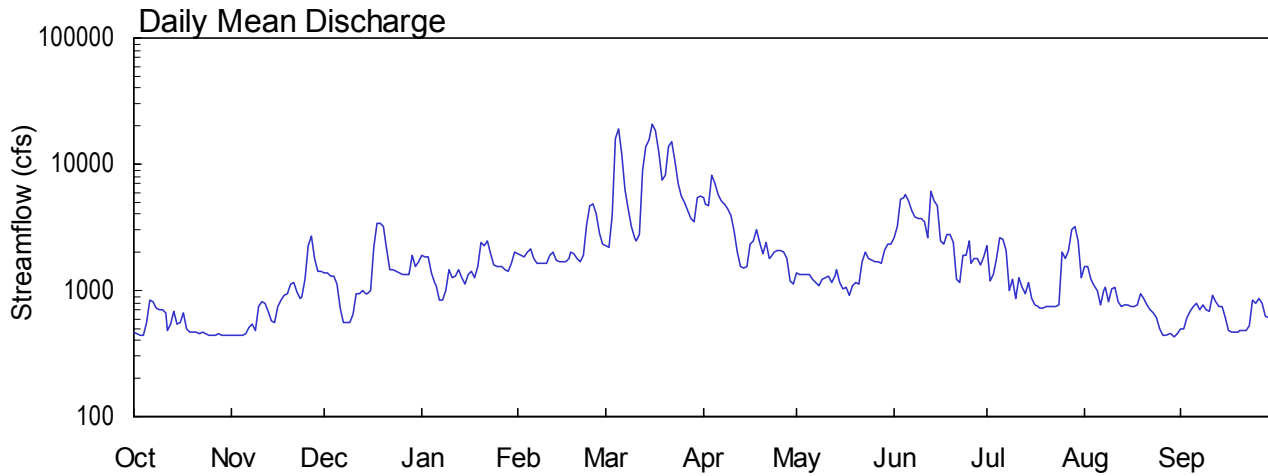


## ALTAMAHA RIVER BASIN

2001 Water Year

### 02213000 OCMULGEE RIVER AT MACON, GA

Latitude: 32° 50' 19" Longitude: 83° 37' 14" Hydrologic Unit Code: 03070103 Bibb County  
Drainage Area: 2240 mi<sup>2</sup> Datum: 269.8 feet Period of Record: 1911 - 2001



USGS 02213000 - Ocmulgee River at Macon, GA

**ALTAMAHA RIVER BASIN  
2001 Water Year**

**02213000 OCMULGEE RIVER AT MACON, GA**

**LOCATION.**--Lat 32°50'19", long 83°37'14", Bibb County, Hydrologic Unit 03070103, at downstream end of right pier of Fifth Street Bridge in Macon, 1.5 miles upstream from Walnut Creek, and at mile 198.0.

**DRAINAGE AREA.**--2,240 mi<sup>2</sup>, approximately.

**COOPERATION.**—City of Macon.

**WATER-DISCHARGE RECORDS**

**PERIOD OF RECORD.**--February 1893 to July 1912, August 1912 to December 1913 (gage-heights and discharge measurements only), October 1928 to current year. Gage-height records collected at same site since 1895 are contained in reports of National Weather Service.

**REVISED RECORDS.**--WSP 822: Drainage area. WSP 1504: 1893-1903, 1905-10, 1932, 1937, 1942(M).

**GAGE.**—Phone telemetry with a water-stage recorder. Datum of gage is 269.80 feet above sea level. Prior to Oct. 9, 1905, a non-recording gage was located at site within 1.5 miles downstream at about same datum. From October 9, 1905 to December 31, 1913, a non-recording gage was located at present site and datum. From January 10, 1929 to June 25, 1934, a water-stage recorder was located at a site 500 feet downstream at same datum. From June 25, 1934 to June 25, 1973, a water-stage recorder was located at the present site and datum, and from June 26, 1973 to October 13, 1974, a non-recording gage was located at present site and datum.

**REMARKS.**--Records good. Flow regulated by Lloyd Shoals Reservoir since November 1910; records of reservoir contents not available prior to October 1929. Records of chemical analyses for the water years 1968-73 are published in reports of the U.S. Geological Survey. Minimum gage-height observed during the period of record was -1.0 feet October 5, 1924, at site and datum then in use. Average discharge adjusted for storage was published for records previous to October 1, 1999.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of January 19, 1925, reached a stage of 26.0 feet, from flood marks at Central of Georgia Railroad bridge, 500 feet downstream, discharge 72,500 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 14,000 ft<sup>3</sup>/s and maximum (\*):

DATE	TIME	DISCHARGE (ft <sup>3</sup> /s)	GAGE-HEIGHT (ft)
Mar. 5	0500	20,700	20.50
Mar. 16	1715	21,700*	20.80*
Mar. 22	0415	16,600	19.25

**ALTAMAHA RIVER BASIN**  
**2001 Water Year**

**02213000 OCMULGEE RIVER AT MACON, GA—continued.**

**WATER-STAGE RECORDS**

**PERIOD OF RECORD.**-- February 1893 to July 1912, August 1912 to December 1913 (gage-heights and discharge measurements only), October 1928 to current year. Gage-height records collected at same site since 1895 are contained in reports of National Weather Service.

**GAGE.**—Phone telemetry with a water-stage recorder. Datum of gage is 269.80 feet above sea level. Prior to Oct. 9, 1905, a non-recording gage was located at site within 1.5 miles downstream at about same datum. From October 9, 1905 to December 31, 1913, a non-recording gage was located at present site and datum. From January 10, 1929 to June 25, 1934, a water-stage recorder was located at a site 500 feet downstream at same datum. From June 25, 1934 to June 25, 1973, a water-stage recorder was located at the present site and datum, and from June 26, 1973 to October 13, 1974, a non-recording gage was located at present site and datum.

**REMARKS.**—Records good.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 20.80 feet, March 16; minimum gage-height recorded, 5.03 feet, August 30.

STATION NUMBER 02213000 OCMULGEE RIVER AT MACON, GA STREAM SOURCE AGENCY USGS  
 LATITUDE 325019 LONGITUDE 0833714 DRAINAGE AREA 2240.00 DATUM 269.80 STATE 13 COUNTY 021

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	473	446	1360	1900	1980	2230	5380	1360	2630	2230	1530	496
2	453	446	1360	1830	1880	2200	4850	1340	3200	1180	1550	496
3	445	437	1300	1820	1820	3880	4690	1340	5300	1330	1220	610
4	443	437	1300	1390	2030	16100	8040	1320	5490	1810	1090	683
5	554	448	1130	1170	2130	19000	6970	1340	5790	2590	994	758
6	828	452	724	1090	1780	11800	5730	1240	5120	2510	764	781
7	808	507	564	829	1660	6240	5190	1170	4320	2070	990	705
8	718	549	553	839	1640	4420	4850	1100	3810	1010	1070	771
9	713	478	564	991	1640	3230	4430	1220	3720	1210	805	699
10	712	737	641	1480	1660	2620	3910	1280	3720	857	1040	694
11	670	824	945	1270	1910	2450	2930	1300	3550	1260	1070	927
12	487	789	937	1310	2040	2750	2040	1170	2580	1070	804	805
13	537	679	986	1440	1760	8840	1560	1310	6170	941	758	756
14	690	573	940	1250	1710	13600	1520	1470	5100	1160	773	740
15	545	560	934	1140	1690	15400	1570	1150	4740	854	776	607
16	560	750	990	1330	1680	21000	2300	1020	2450	763	758	487
17	660	843	2180	1420	1790	18400	2470	1070	2350	747	749	471
18	498	904	3430	1250	2020	12100	3050	915	2740	736	769	469
19	462	957	3360	1530	1950	7440	2410	1080	2800	728	936	467
20	463	1110	3170	2370	1810	8110	1940	1160	2410	742	860	480
21	464	1170	2110	2290	1710	13600	2390	1140	1230	747	765	487
22	453	975	1470	2500	1890	15000	1810	1700	1150	746	707	485
23	473	860	1470	1930	3330	10700	1850	2030	1910	753	673	520
24	451	896	1410	1580	4740	7060	1990	1780	1880	773	614	845
25	444	1230	1380	1560	4760	5550	2060	1720	2500	2000	491	796
26	438	2270	1340	1550	4110	4930	2060	1700	1650	1810	441	873
27	445	2700	1320	1530	2830	4260	2030	1680	1780	2060	443	784
28	453	1770	1350	1460	2320	3670	1800	1660	1780	3060	459	634
29	441	1420	1880	1410	---	3470	1190	2100	1580	3240	456	609
30	444	1400	1550	1640	---	5440	1130	2330	1870	2450	427	496
31	440	---	1680	2010	---	5640	---	2350	---	1250	454	---
TOTAL	16665	27617	44328	47109	62270	261130	94140	44545	95320	44687	25236	19431
MEAN	538	921	1430	1520	2224	8424	3138	1437	3177	1442	814	648
MAX	828	2700	3430	2500	4760	21000	8040	2350	6170	3240	1550	927
MIN	438	437	553	829	1640	2200	1130	915	1150	728	427	467
CFSM	.24	.41	.64	.68	.99	3.76	1.40	.64	1.42	.64	.36	.29
IN.	.28	.46	.74	.78	1.03	4.34	1.56	.74	1.58	.74	.42	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911 - 2001, BY WATER YEAR (WY)

MEAN	1419	1724	2588	3766	4580	5444	4170	2583	1848	1764	1470	1149
MAX	6404	9624	7222	11880	10640	16370	14610	7305	7142	12880	5054	3886
(WY)	1930	1949	1984	1936	1998	1929	1936	1964	1912	1994	1994	1994
MIN	165	186	618	750	1168	1319	972	581	301	214	299	296
(WY)	1955	1955	1955	1981	1938	1988	1986	1986	1988	1988	1988	1999

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR			FOR 2001 WATER YEAR			WATER YEARS 1911 - 2001		
ANNUAL TOTAL	434077			782478					
ANNUAL MEAN	1186			2144			2672		
HIGHEST ANNUAL MEAN							4848		
LOWEST ANNUAL MEAN							1122		
HIGHEST DAILY MEAN	5950			Jan 25			21000		
LOWEST DAILY MEAN	203			Aug 23			427		
ANNUAL SEVEN-DAY MINIMUM	229			Aug 18			442		
MAXIMUM PEAK FLOW							21700		
MAXIMUM PEAK STAGE							20.80		
INSTANTANEOUS LOW FLOW							35.40		
ANNUAL RUNOFF (CFSM)	.53			.96			128		
ANNUAL RUNOFF (INCHES)	7.21			12.99			1.19		
10 PERCENT EXCEEDS	2470			4710			16.21		
50 PERCENT EXCEEDS	753			1340			5230		
90 PERCENT EXCEEDS	330			487			1650		
							661		

STATISTICS COMPUTED BY: rnichols

DATE: 02/22/2002 AT: 10:08:12

STATION NUMBER 02213000 OCMULGEE RIVER AT MACON, GA STREAM SOURCE AGENCY USGS  
 LATITUDE 325019 LONGITUDE 0833714 DRAINAGE AREA 2240.00 DATUM 269.80 STATE 13 COUNTY 021

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.34	5.27	7.22	8.17	8.30	8.73	12.92	6.97	9.30	8.60	7.31	5.20
2	5.29	5.27	7.23	8.05	8.14	8.67	12.36	6.94	10.20	6.61	7.34	5.20
3	5.27	5.25	7.12	8.05	8.04	10.54	12.17	6.94	12.78	6.91	6.70	5.44
4	5.26	5.25	7.13	7.29	8.39	18.91	15.11	6.89	13.02	7.81	6.44	5.60
5	5.53	5.27	6.79	6.88	8.56	19.99	14.33	6.93	13.32	9.23	6.24	5.76
6	6.15	5.29	5.93	6.72	7.98	17.14	13.26	6.73	12.64	9.10	5.76	5.80
7	6.12	5.42	5.56	6.17	7.77	13.67	12.73	6.59	11.76	8.30	6.23	5.64
8	5.92	5.52	5.53	6.19	7.74	11.88	12.36	6.46	11.13	6.28	6.39	5.78
9	5.90	5.35	5.56	6.52	7.73	10.27	11.89	6.69	11.00	6.67	5.85	5.63
10	5.90	5.96	5.73	7.44	7.76	9.29	11.28	6.82	11.01	5.96	6.33	5.62
11	5.80	6.16	6.43	7.06	8.20	8.99	9.80	6.86	10.75	6.77	6.39	6.10
12	5.37	6.08	6.42	7.13	8.41	9.47	8.26	6.59	9.13	6.40	5.85	5.85
13	5.49	5.82	6.52	7.37	7.94	15.49	7.37	6.87	13.66	6.13	5.75	5.75
14	5.85	5.58	6.42	7.02	7.85	18.04	7.28	7.19	12.62	6.58	5.78	5.71
15	5.51	5.55	6.41	6.81	7.82	18.70	7.39	6.55	12.20	5.95	5.79	5.44
16	5.55	5.99	6.53	7.18	7.79	20.58	8.71	6.29	8.97	5.76	5.75	5.18
17	5.78	6.20	8.58	7.34	7.98	19.79	9.03	6.40	8.81	5.73	5.73	5.15
18	5.40	6.33	10.57	7.03	8.38	17.34	9.96	6.08	9.48	5.71	5.77	5.14
19	5.31	6.44	10.48	7.52	8.26	14.59	8.92	6.42	9.59	5.69	6.12	5.14
20	5.32	6.76	10.18	8.94	8.03	14.90	8.08	6.57	8.91	5.72	5.97	5.16
21	5.32	6.87	8.50	8.82	7.86	18.06	8.89	6.53	6.71	5.73	5.77	5.18
22	5.29	6.49	7.44	9.14	8.16	18.63	7.83	7.63	6.55	5.73	5.65	5.18
23	5.34	6.24	7.43	8.22	10.42	16.64	7.89	8.25	8.01	5.74	5.58	5.25
24	5.28	6.33	7.31	7.62	12.22	14.36	8.18	7.78	7.96	5.78	5.46	5.94
25	5.27	6.98	7.27	7.58	12.26	13.09	8.31	7.69	9.07	8.11	5.19	5.83
26	5.25	8.77	7.19	7.57	11.52	12.44	8.31	7.64	7.54	7.83	5.08	6.00
27	5.27	9.46	7.16	7.54	9.66	11.70	8.26	7.59	7.77	8.29	5.08	5.81
28	5.29	7.95	7.21	7.41	8.86	10.92	7.81	7.57	7.78	10.02	5.12	5.50
29	5.26	7.33	8.15	7.33	---	10.55	6.63	8.36	7.40	10.30	5.11	5.45
30	5.27	7.30	7.57	7.72	---	12.98	6.51	8.78	7.93	8.99	5.04	5.20
31	5.26	---	7.79	8.35	---	13.18	---	8.82	---	6.75	5.11	---
MEAN	5.49	6.28	7.27	7.49	8.64	14.18	9.73	7.11	9.90	7.07	5.86	5.52
MAX	6.15	9.46	10.57	9.14	12.26	20.58	15.11	8.82	13.66	10.30	7.34	6.10
MIN	5.25	5.25	5.53	6.17	7.73	8.67	6.51	6.08	6.55	5.69	5.04	5.14